

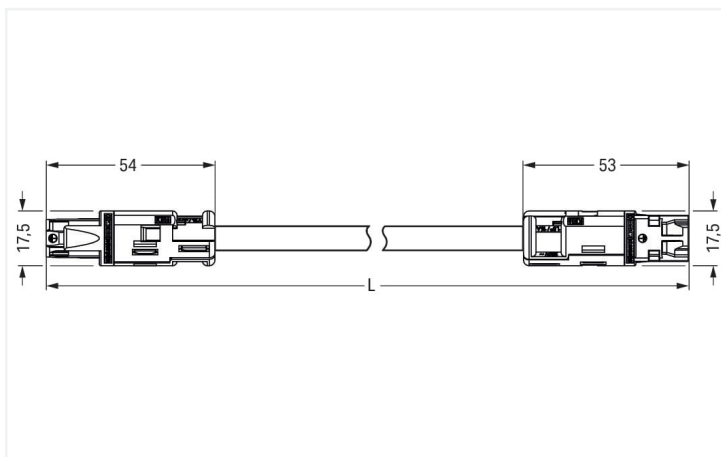
## Data Sheet | Item Number: 774-9973/016-505

pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. S; 5 m; 1,50 mm<sup>2</sup>; brown

<https://www.wago.com/774-9973/016-505>



Color: ■ brown



Dimensions in mm



Cable assembly WINSTA® RD with strain relief

For power and signal transmission: The WINSTA® RD cable assembly rated current 16 A. The coding options reduce installation errors, allowing fast, secure wiring of all components. The pluggable installation connector offers protection against contact with live components in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). With WINSTA® RD, we have invented a product line that fits like a glove into conduits or boreholes due to its design. Building safety must be ensured at all times, even after the electrical installation stage. The mandatory safety requirements in connection with EU CPR are met by this product through fire class E. In the production of this cable assembly, we eliminated the use of halogen. That is an important contribution to climate protection.

Pluggable connections instead of screw connections – cable assemblies from WAGO

The cable is pre-assembled with a socket and a plug. The WINSTA® Pluggable Connection System allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Now you can also lower installation costs without compromising safety and quality: with fire class E reduces the need for servicing and prevents unnecessary downtime.

- effective protection against mismatching
- products perfectly tailored to your requirements guarantee safe use
- for AC applications
- flexible installation to save space
- fast, secure installation

| Notes |                                                               |
|-------|---------------------------------------------------------------|
| Note  | Cables with a different fire class can be found in the eShop. |

| Electrical data      |  |                |     |    |
|----------------------|--|----------------|-----|----|
| Ratings per          |  | IEC/EN 60664-1 |     |    |
| Overvoltage category |  | III            | III | II |
| Pollution degree     |  | 3              | 2   | 2  |
| Nominal voltage      |  | 250 V          | -   | -  |
| Rated surge voltage  |  | 4 kV           | -   | -  |
| Rated current        |  | 16 A           | -   | -  |

| General information        |                                                                                          |
|----------------------------|------------------------------------------------------------------------------------------|
| Note on contact resistance | approx. 1 mΩ of contact resistance<br>approx. 0.25 mΩ contact transition plug/<br>socket |

| Connection data            |   |
|----------------------------|---|
| Total number of potentials | 3 |

| Connection 1            |                |
|-------------------------|----------------|
| Pole number             | 3              |
| Sheathed cable diameter | 7.4 ... 9.4 mm |
| Wire cross-section      | 1.5 mm²        |
| Connection type         | Socket - Plug  |

| Physical data |                        |
|---------------|------------------------|
| Width         | 17.5 mm / 0.689 inches |
| Height        | 17.5 mm / 0.689 inches |
| Total length  | 5 m                    |

## Mechanical data

|                                         |                                                                                                               |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Application                             | Switching function                                                                                            |
| Coding                                  | S                                                                                                             |
| Variable coding                         | No                                                                                                            |
| Marking                                 | 1 2 L                                                                                                         |
| Mating force of a plug-in connection    | Approx. 30 ... 70 N (depending on pole number)                                                                |
| Retention force of a plug-in connection | when locked: > 80N                                                                                            |
| Unmating force of a plug-in connection  | Unlocked: approx. 30 ... 70 N (depending on pole number)                                                      |
| Number of mating cycles                 | 200, without resistive load                                                                                   |
| Connection type                         | Socket - Plug                                                                                                 |
| Type of pre-assembled cable             | Interconnecting cable                                                                                         |
| Cable type                              | H05Z1Z1-F 3x1.5                                                                                               |
| Protection type                         | IP20; When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!) |

## Plug-in connection

|                               |                                                                                                                                                                                                          |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mismating protection          | Yes                                                                                                                                                                                                      |
| Note on mismating protection  | All <i>WINSTA</i> ® components are 100% protected against mismating when:<br>a.) plugging different numbers of poles<br>b.) plugging while incorrectly rotated<br>c.) plugging while laterally staggered |
| Locking lever                 | Yes                                                                                                                                                                                                      |
| Locking of plug-in connection | Locking lever                                                                                                                                                                                            |

## Material data

|                                  |                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Note (material data)             | <a href="https://www.wago.com/us/material-specifications">Information on material specifications can be found here</a> |
| Color                            | brown                                                                                                                  |
| Insulation material              | Polyamide (PA66)                                                                                                       |
| Fire class per EN 50575          | E <sub>ca</sub>                                                                                                        |
| Contact material                 | Copper or copper alloy; surface-treated                                                                                |
| Contact plating                  | Tin                                                                                                                    |
| Fire load                        | 148.738 MJ                                                                                                             |
| Connector color                  | brown                                                                                                                  |
| Strain relief color              | black                                                                                                                  |
| Sheathed cable color             | black                                                                                                                  |
| Printing color of sheathed cable | white                                                                                                                  |
| Halogen-free                     | Yes                                                                                                                    |
| Silicon-free                     | Yes                                                                                                                    |
| Sheath material                  | Halogen-free                                                                                                           |
| Rubber cable                     | No                                                                                                                     |
| Weight                           | 496.6 g                                                                                                                |
| Copper weight of the pipe        | 0.043 kg/m                                                                                                             |

## Environmental requirements

|                                          |                                                                                                       |
|------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Processing temperature                   | -5 ... +40 °C                                                                                         |
| Continuous operating temperature         | -35 ... +85 °C                                                                                        |
| Note on continuous operating temperature | Cable for temperatures ≤ 70 °C (including halogen-free)<br>Insulating parts for temperatures ≤ 105 °C |



| Commercial data       |               |
|-----------------------|---------------|
| eCl@ss 10.0           | 27-44-06-04   |
| eCl@ss 9.0            | 27-44-06-04   |
| ETIM 8.0              | EC002587      |
| ETIM 7.0              | EC002587      |
| PU (SPU)              | 1 pcs         |
| Packaging type        | unpacked      |
| Country of origin     | DE            |
| GTIN                  | 4055143522489 |
| Customs tariff number | 85444290900   |

| Environmental Product Compliance |                         |
|----------------------------------|-------------------------|
| RoHS Compliance Status           | Compliant, No Exemption |

Approvals / Certificates

| General approvals                                                                                                                                                                                                                                    |          | Declarations of conformity and manufacturer's declarations |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------------------------------------------|
|    |          |                                                            |
| Approval                                                                                                                                                                                                                                             | Standard | Certificate Name                                           |
| CCA<br>DEKRA Certification B.V.                                                                                                                                                                                                                      | EN 61535 | NTR NL-7969                                                |
| CCA<br>DEKRA Certification B.V.                                                                                                                                                                                                                      | EN 61984 | NTR NL-7848                                                |
| KEMA/KEUR<br>DEKRA Certification B.V.                                                                                                                                                                                                                | EN 61535 | 71-123229                                                  |
| KEMA/KEUR<br>DEKRA Certification B.V.                                                                                                                                                                                                                | EN 61984 | 71-114944                                                  |

| Approval                                                | Standard | Certificate Name |
|---------------------------------------------------------|----------|------------------|
| EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG | -        | -                |
| UK-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG | -        | -                |

| Downloads                                               |                                                                                     |
|---------------------------------------------------------|-------------------------------------------------------------------------------------|
| Environmental Product Compliance                        |                                                                                     |
| Compliance Search                                       |                                                                                     |
| Environmental Product<br>Compliance<br>774-9973/016-505 |  |

| Documentation    |            |                 |                                                                                     |
|------------------|------------|-----------------|-------------------------------------------------------------------------------------|
| Bid Text         |            |                 |                                                                                     |
| 774-9973/016-505 | 19.02.2019 | xml<br>2.97 KB  |  |
| 774-9973/016-505 | 19.02.2015 | doc<br>24.00 KB |  |